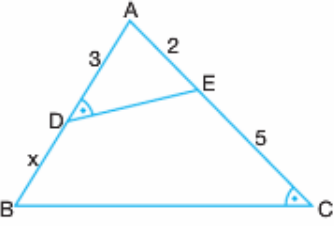
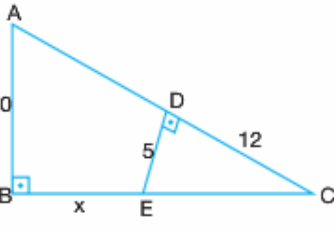
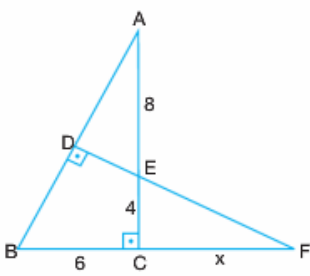
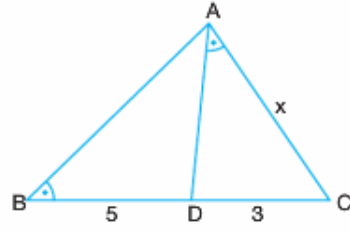


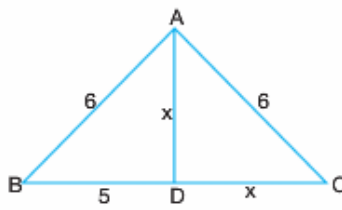
ÜÇGENDE BENZERLİK SORULAR

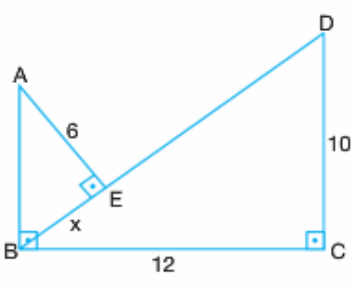
- 1)  ABC bir üçgen
 $m(\widehat{ADE}) = m(\widehat{ACB})$
 $|EC| = 5$ cm
 $|AD| = 3$ cm
 $|AE| = 2$ cm
Yukarıdaki verilere göre, $|DB| = x$ kaç cm dir?
A) 1 B) $\frac{5}{3}$ C) 2 D) $\frac{7}{3}$ E) 3

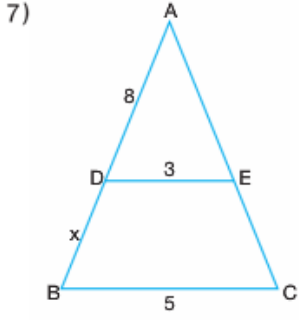
- 2)  ABC dik üçgen
 $[AB] \perp [BC]$
 $[DE] \perp [AC]$
 $|DC| = 12$ cm
 $|AB| = 10$ cm
 $|DE| = 5$ cm
Yukarıdaki verilere göre, $|BE| = x$ kaç cm dir?
A) 9 B) 10 C) 11 D) 12 E) 13

- 3)  ABC ve BDF
dik üçgenler
 $[AC] \perp [BF]$
 $[DF] \perp [AB]$
 $|AE| = 8$ cm
 $|BC| = 6$ cm
 $|EC| = 4$ cm
Yukarıdaki verilere göre, $|CF| = x$ kaç cm dir?
A) 4 B) 6 C) 8 D) 10 E) 12

- 4)  ABC bir üçgen
 $m(\widehat{DAC}) = m(\widehat{ABC})$
 $|BD| = 5$ cm , $|DC| = 3$ cm
Yukarıdaki verilere göre, $|AC| = x$ kaç cm dir?
A) $2\sqrt{3}$ B) 4 C) $2\sqrt{5}$ D) $2\sqrt{6}$ E) 5

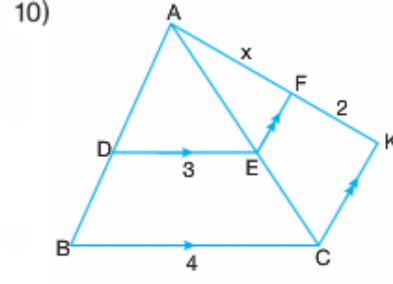
- 5)  ABC bir üçgen
 $|AD| = |DC| = x$, $|AB| = |AC| = 6$ cm
 $|BD| = 5$ cm
Yukarıdaki verilere göre, x kaç cm dir?
A) 4 B) 5 C) 6 D) 7 E) 8

- 6)  BDC dik üçgen
 $[AB] \perp [BC]$
 $[AE] \perp [BD]$
 $|BC| = 12$ cm
 $|DC| = 10$ cm
 $|AE| = 6$ cm
Yukarıdaki verilere göre, $|BE| = x$ kaç cm dir?
A) 1 B) 2 C) 3 D) 4 E) 5



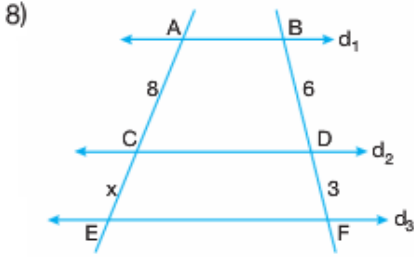
Yukarıdaki verilere göre, |DB| = x kaç cm dir?

- A) 5 B) $\frac{16}{3}$ C) 6 D) $\frac{20}{3}$ E) $\frac{22}{3}$



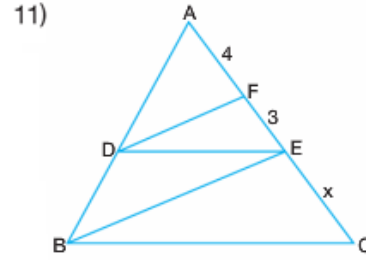
Yukarıdaki verilere göre, |AF| = x kaç cm dir?

- A) 3 B) 4 C) 5 D) 6 E) 8



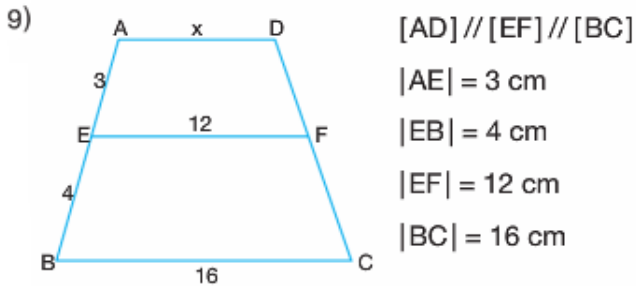
Yukarıdaki verilere göre, |CE| = x kaç cm dir?

- A) 2 B) 4 C) 6 D) 8 E) 10



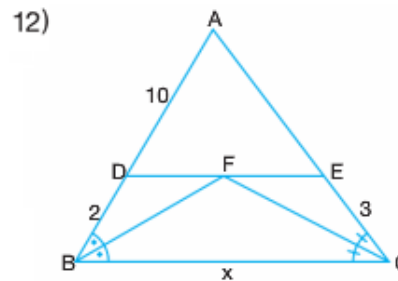
Yukarıdaki verilere göre, |EC| = x kaç cm dir?

- A) 4 B) $\frac{9}{2}$ C) $\frac{21}{4}$ D) 6 E) $\frac{27}{4}$



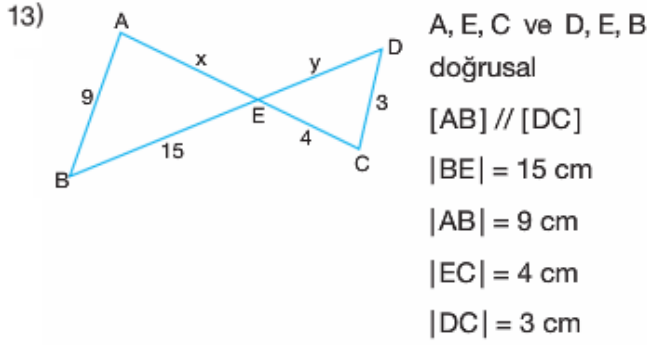
Yukarıdaki verilere göre, |AD| = x kaç cm dir?

- A) 6 B) 7 C) 8 D) 9 E) 10



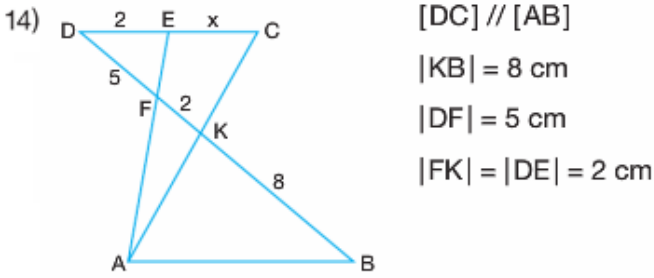
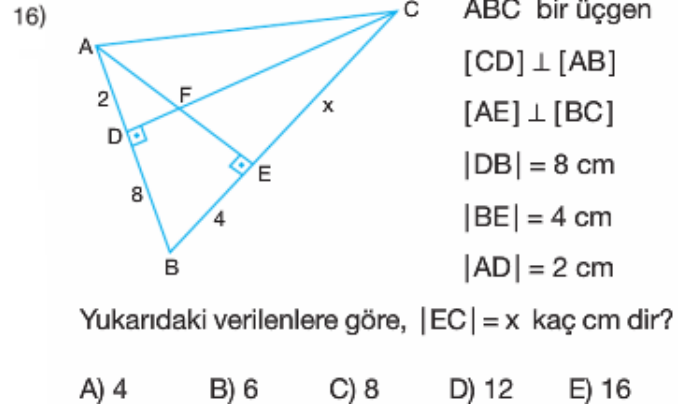
Yukarıdaki verilere göre, |BC| = x kaç cm dir?

- A) 15 B) 12 C) 10 D) 8 E) 6



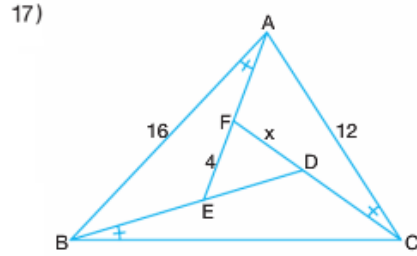
Yukarıdaki verilere göre, $x + y$ kaç cm dir?

- A) 6 B) 8 C) 10 D) 14 E) 17



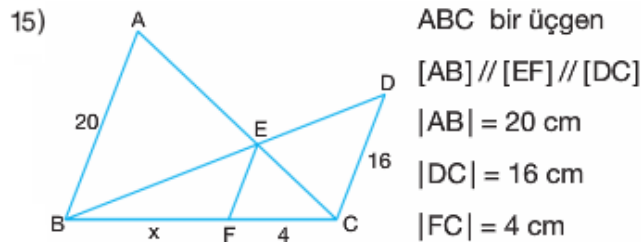
Yukarıdaki verilere göre, |EC| = x kaç cm dir?

- A) $\frac{7}{2}$ B) $\frac{5}{2}$ C) 2 D) $\frac{3}{2}$ E) 1



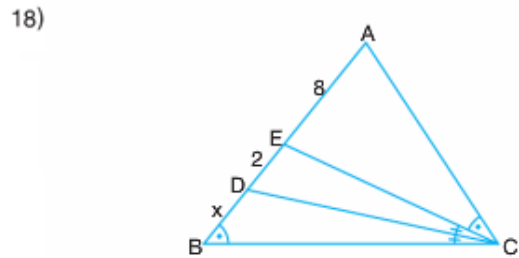
Yukarıdaki verilere göre, |FD| = x kaç cm dir?

- A) 2 B) 3 C) 4 D) 5 E) 6



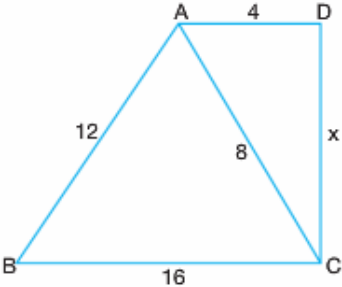
Yukarıdaki verilere göre, |BF| = x kaç cm dir?

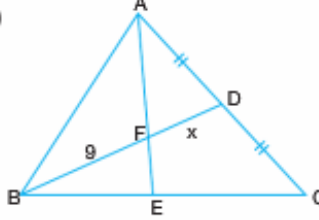
- A) 5 B) 6 C) 7 D) 8 E) 10

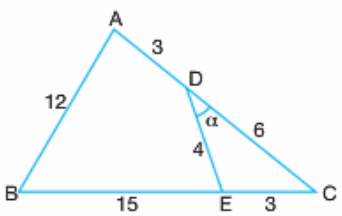


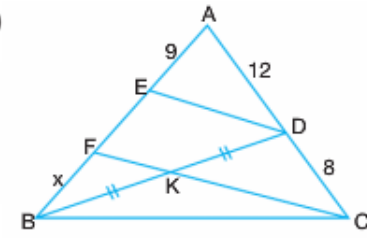
Yukarıdaki verilere göre, |DB| = x kaç cm dir?

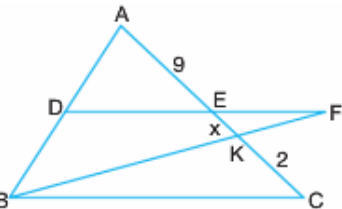
- A) $\frac{7}{2}$ B) 3 C) $\frac{5}{2}$ D) 2 E) $\frac{3}{2}$

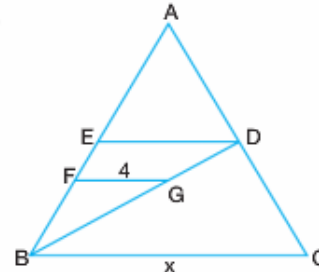
- 19)  [AD] // [BC]
|BC| = 16 cm
|AB| = 12 cm
|AC| = 8 cm
|AD| = 4 cm
- Yukardaki verilene göre, |DC| = x kaç cm dir?
- A) 6 B) 8 C) 10 D) 12 E) 14

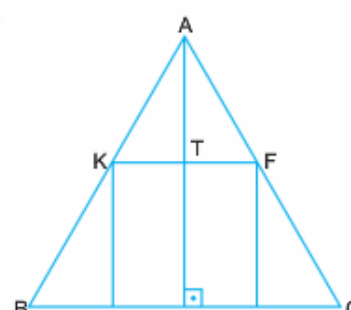
- 22)  ABC bir üçgen
|AD| = |DC|
3|EC| = 4|EB|
|BF| = 9 cm
- Yukardaki verilene göre, |FD| = x kaç cm dir?
- A) 2 B) 3 C) 4 D) 6 E) 7

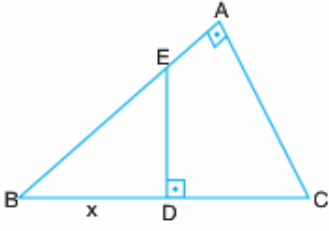
- 20)  ABC bir üçgen
 $m(\widehat{CDE}) = \alpha$
|BE| = 15 cm
|AB| = 12 cm
|DC| = 6 cm
|AD| = |EC| = 3 cm
- olduğuna göre, $m(\widehat{ABC})$ açısının α türünden eşiti kaç derecedir?
- A) 3α B) 2α C) $90 - \alpha$
D) $45 + \alpha$ E) α

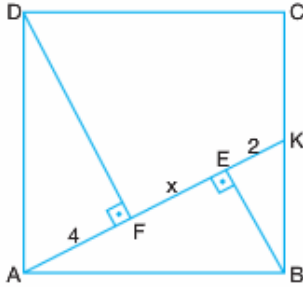
- 23)  ABC bir üçgen
[ED] // [FC]
|BK| = |KD|
|AD| = 12 cm
|AE| = 9 cm
|DC| = 8 cm
- Yukardaki verilene göre, |BF| = x kaç cm dir?
- A) 4 B) 5 C) 6 D) 7 E) 8

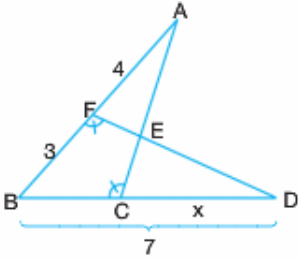
- 21)  ABC bir üçgen
[DF] // [BC]
3|EF| = 2|DE|
|AE| = 9 cm
|KC| = 2 cm
- Yukardaki verilene göre, |EK| = x kaç cm dir?
- A) 1 B) 2 C) 3 D) 4 E) 5

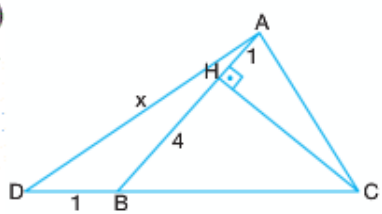
- 24)  ABC bir üçgen
G, ağırlık merkezi
[ED] // [FG] // [BC]
|FG| = 4 cm
- Yukardaki verilene göre, |BC| = x kaç cm dir?
- A) 10 B) 12 C) 14 D) 16 E) 18

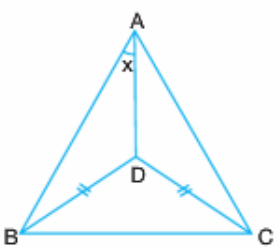
- 25)  ABC bir üçgen
KDEF bir kare
[AL] ⊥ [BC]
|AL| = 10 cm
|BC| = 12 cm
- olduğuna göre, karenin bir kenarı kaç cm dir?
- A) $\frac{45}{11}$ B) $\frac{50}{11}$ C) $\frac{60}{11}$ D) $\frac{65}{11}$ E) $\frac{70}{11}$

- 26)  ABC dik üçgen
[AB] \perp [AC]
[ED] \perp [BC]
|AB| = 6 cm
A(EBD) = A(DCAE)
- Yukarıdaki verilere göre, |BD| = x kaç cm dir?
- A) $3\sqrt{3}$ B) $3\sqrt{2}$ C) $4\sqrt{3}$
D) $4\sqrt{2}$ E) $5\sqrt{2}$

- 29)  ABCD bir kare
[DF] \perp [AK]
[EB] \perp [AK]
|AF| = 4 cm
|EK| = 2 cm
- Yukarıdaki verilere göre, |FE| = x kaç cm dir?
- A) 1 B) 2 C) 3 D) 4 E) 5

- 27)  [AC] \cap [DF] = {E}
 $m(\widehat{BFD}) = m(\widehat{ACB})$
|AF| = 4 br
|FB| = 3 br
|BD| = 7 br
- Yukarıdaki verilere göre, |CD| = x kaç br dir?
- A) 1 B) 2 C) 3 D) 4 E) 5

- 30)  ADC bir üçgen
|AB| = |BC|
[CH] \perp [AB]
- |AH| = |DB| = 1 cm , |HB| = 4 cm
- Yukarıdaki verilere göre |AD| = x kaç cm dir?
- A) $\sqrt{31}$ B) $\sqrt{33}$ C) $\sqrt{34}$ D) $\sqrt{35}$ E) $\sqrt{37}$

- 28)  ABC eşkenar üçgen
|BD| = |DC|
olduğuna göre,
 $m(\widehat{BAD}) = x$
kaç derecedir?
- A) 20 B) 25 C) 30 D) 35 E) 40